

# Hasan Ashab – DevOps Engineer

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3+ years experienced IT professional with proficiency in DevOps and Development. Skilled in building scalable infrastructure aligned with company requirements, ensuring cost-efficiency without over-engineering.

## KEY SKILLS

Cloud Engineering | Containerization | Automation | DevSecOps | Backend Engineering Deployment

## TOOLS & TECHNOLOGIES

**Scripting Languages:** Python, Bash | **Database Management System:** PostgreSQL, Mongo DB, MySQL, AWS Dynamo DB | **Container Platform:** Docker | **CI/CD:** GitHub Actions, GitLab CI, ArgoCD | **Architecture:** Batch Processing, Event Driven, Microservices, Monolith | **IaC:** Terraform, Ansible  
**Version Control:** Git, GitHub, GitLab | **Platform:** DevOps, AWS Cloud, Backend

## PROFESSIONAL EXPERIENCE

Backend Developer | Yum Foods *contract* Dhaka, BAN | Nov 2023 – Aug 2024

### Key Contributions:

- Developed a food delivery platform for a locally reputed restaurant
- Launched the restaurant platform on a shared cloud environment.
  - reducing initial infrastructure costs by 40%.
  - transitioning to AWS infrastructure to handle 3x user traffic.
- Architected and maintained the application on **AWS** (EC2, RDS, ElastiCache), managing server configuration and a PostgreSQL database.
  - Ensured close to 95% uptime.
- Automated and streamlined deployments by Implementing a **CI/CD** pipeline (**GitHub Actions**).
  - Simplified 3+ daily deployments.
  - Reduced release errors by 30%.
- Reduced and controlled infrastructure costs by applying **FinOps** best practices
  - Budgeted monthly expenses to \$50 without compromising performance.

## KEY PROJECTS EXECUTED

1. **Project:** Three-Tier AWS Architecture on AWS Cloud | **Duration:** Jul '23 – Aug '4

**Key Achievement:** Designed a cost-optimized, scalable three-tier AWS architecture. Integrated automated CI/CD pipeline resulting minimized deployment time ( -50%) and accelerated developers productivity

**Technologies:** AWS (ECS Fargate, RDS MySQL, CloudFront, S3, ALB, VPC, Route 53, ACM), Terraform, Docker, GitHub Actions, Spring Boot, React, Node.js, MySQL, Nginx

2. **Project:** Cloud-Native E-Commerce Platform with GitOps | **Duration:** Aug '5 – Aug '17

**Key Achievement:** Orchestrated and deployed a production-ready microservices platform on AWS EKS with GitOps automation, achieving 99.9% uptime and reduced deployment time by 80% through automated CI/CD pipelines.

**Technologies:** AWS EKS, Terraform, ArgoCD, Docker, Kubernetes, GitHub Actions, Helm, NGINX Ingress, Cert Manager, Amazon ECR, Java Spring Boot, Go, Node.js NestJS, GitOps, Infrastructure as Code

## EDUCATION

- Bachelor of Science – Computer Science** | Dhaka | Pursuing